

# PRODUCT VERIFICATION – BREEAM

## COMPANY

Schüco International KG  
Karolinenstraße 1-15  
33609 Bielefeld  
Germany

## PRODUCT SYSTEM

Schüco Fire and Smoke Protection Systems (AWS, ADS, FW and Firestop)

## GREEN BUILDING CERTIFICATION SYSTEM

BREEAM International New Construction  
SD5075 – 1.0:2013, Issue date 09.04.2014



A handwritten signature in blue ink, appearing to be "P. Mösle".

Peter Mösle  
Managing Director Drees & Sommer

A handwritten signature in blue ink, appearing to be "Thomas Haun".

Thomas Haun  
BREEAM Assessor

1<sup>st</sup> January 2016

Date

## GREEN BUILDING CERTIFICATION SYSTEM

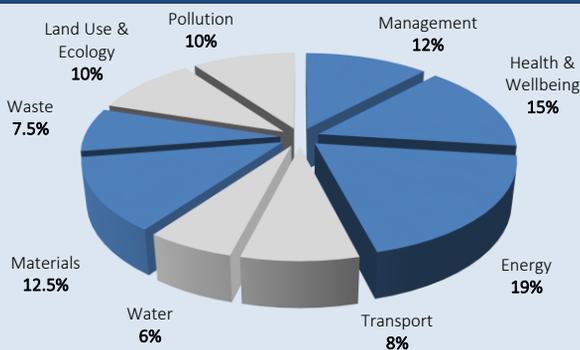
BREEAM is an internationally recognised measure and mark of a building’s sustainable qualities. Since its launch in 1990, BREEAM has certified over a half of a million buildings and is now active in more than 70 countries around the world. Wherever they are, these buildings are immediately identifiable as having been planned, designed, constructed and operated in accordance with best practice sustainability principles. Credits can be achieved in 9 categories of the system with the possibility to earn innovation credits. During a building certification the ratings on a scale of ‘Pass’, ‘Good’, ‘Very Good’, ‘Excellent’ and ‘Outstanding’ can be achieved.

BREEAM is managed and continually developed by BRE Global and supported in certain countries by a number of National Scheme Operators (NSOs). NSO's are independent organisations who develop and own country specific ‘local’ schemes that are affiliated to BREEAM<sup>1</sup>.

<sup>1</sup> cf. BREEAM International New Construction; Technical Manual

## CERTIFICATION SYSTEM AND CATEGORIES

Category Weighting



Category

Product Influence to Category

Criteria Influence to Category

Criteria Influence to System

Category	Product Influence to Category	Criteria Influence to Category	Criteria Influence to System
Management	Yes	52.2%	6.3%
Health and Wellbeing	Yes	88.9%	13.3%
Energy	Yes	46.9%	8.9%
Transport	No	-	-
Water	No	-	-
Materials	Yes	81.8%	10.2%
Waste	Yes	50.0%	3.8%
Land Use & Ecology	No	-	-
Pollution	No	-	-

## PRODUCT VERIFICATION

Aim of the verification is to illustrate how the use of **Schüco Fire and Smoke Protection Systems** can influence the criteria of the BREEAM certification system in a positive way. The **Schüco Fire and Smoke Protection System** meets the set requirements of the relevant topics of the certification system, thus adding value to the certification process.

In principle the BREEAM System certifies only the total performance of a building and not products. Therefore, Fire and Smoke Protection Systems can achieve a total credit only in combination with several trades. To achieve a BREEAM criteria fulfillment a wide range of technical data is necessary. Additionally to this product verification, evidences can be provided by the producer. For this purposes the Window, Façade, Door, Fire and Smoke Protection System related **BREEAM Guide** of **Schüco International KG** provides an overview.

## AUTHOR

Drees & Sommer has been working on topics related to sustainable buildings for over ten years. The company employs, among others, LEED Accredited Professionals, Licensed BREEAM Assessors and Auditors for the German Sustainable Building Council (DGNB). In addition, Drees & Sommer has Auditors for certification processes for urban neighborhoods and existing buildings, and for other less well-known certification systems on the market.

PRODUCT EVALUATION

Category	Criteria	Criteria Title	Max. Credits	Kriterieneinfluss in der Kategorie	Criteria Influence to System	Product Verification
MANAGEMENT	Man 01	Sustainable procurement	9	39.13%	4.70%	✓
	Man 05	Life cycle cost & service life planning	3	13.04%	1.57%	✓
HEALTH AND WELLBEING	Hea 01	Visual comfort	4	26.67%	4.00%	✓
	Hea 02	Indoor air quality	4	26.67%	4.00%	✓
	Hea 03	Thermal comfort	2	13.33%	2.00%	✓
	Hea 05 a	Acoustic performance (non residential)	2	13.33%	2.00%	✓
	Hea 05 b	Acoustic performance (residential)	4	22.22%	3.33%	✓
ENERGY	Ene 01	Energy efficiency	15	46.88%	8.91%	✓
MATERIALS	Mat 01	Life cycle impacts	6	54.55%	6.82%	✓
	Mat 03	Responsible sourcing of materials	3	27.27%	3.41%	✓
WASTE	Wst 01	Construction waste management	3	50.00%	3.75%	✓
TOTAL DEGREE OF FULFILLMENT   NON RESIDENTIAL BUILDINGS			51		41.14%	
TOTAL DEGREE OF FULFILLMENT   RESIDENTIAL BUILDINGS			53		42.48%	

LEGEND VERIFIED 

EXPLANATION

**Max. Credits**

Maximum reachable points within the evaluation of criterion

**Criteria Influence to Category**

The influence of criteria in its category

**Criteria Influence to System**

This value specifies the percentage of fulfillment (whole system)

**Total Degree of Fulfillment**

Those Criteria, where a product influence of Schüco Fire and Smoke Protection System is present, up to **41.14%** can be achieved within the assessment of residential and **42.48%** within the assessment of non residential buildings (whole system)

DISCLAIMER

Aim of the verification is to illustrate how the use of Schüco Fire and Smoke Protection Systems can influence the criteria of the BREEAM certification system in a positive way. In principle the BREEAM System certifies only the total performance of a building and not products. To achieve a BREEAM criteria fulfillment a wide range of technical data is necessary. The project team (e.g. design team or Assessor) is responsible to declare the compliance with respect to the BREEAM criteria. This document does not contain any detailed information whether the Schüco product system meets the requirements of the listed criteria. Within this verification the background of a BREEAM certification evidence or a third party declaration is not intended. During a building certification process the project team has the responsibility to declare the relevant product features by using specific and suitable evidences. For this purposes the Window, Façade, Door, Fire and Smoke Protection System related BREEAM Guide of Schüco International KG provides an overview.

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